

This Page Is Inserted by IFW Operations  
and is not a part of the Official Record

## BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images may include (but are not limited to):

- BLACK BORDERS
- TEXT CUT OFF AT TOP, BOTTOM OR SIDES
- FADED TEXT
- ILLEGIBLE TEXT
- SKEWED/SLANTED IMAGES
- COLORED PHOTOS
- BLACK OR VERY BLACK AND WHITE DARK PHOTOS
- GRAY SCALE DOCUMENTS

**IMAGES ARE BEST AVAILABLE COPY.**

**As rescanning documents *will not* correct images,  
please do not report the images to the  
Image Problem Mailbox.**

GenCore version 5.1.6  
 Copyright (c) 1993 - 2003 Compugen Ltd.

OM protein - protein search, using sw model

Run on: June 24, 2003, 11:29:19 ; Search time 65.7143 Seconds  
 (without alignments)  
 189.362 Million cell updates/sec

Title: US-09-824-787B-2  
 Perfect score: 597  
 Sequence: MSGPQTSVAPPREEVEPG..... ASNGETLEKITNSRPPCVIL 115

Scoring table: BLOSUM62  
 Gapop 10.0 , Gapext 0.5  
 -hed:

417779 seqs, 108206813 residues

Total number of hits satisfying chosen parameters: 417779

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published\_Applications\_AA,\*  
 1: /cgn2\_6/ptodata/2/pubbaa/US09\_NEW\_PUB.pep: \*  
 2: /cgn2\_6/ptodata/2/pubbaa/PCT\_NEW\_PUB.pep: \*  
 3: /cgn2\_6/ptodata/2/pubbaa/US06\_NEW\_PUB.pep: \*  
 4: /cgn2\_6/ptodata/2/pubbaa/US05\_PUBCOMB.pep: \*  
 5: /cgn2\_6/ptodata/2/pubbaa/US07\_NEW\_PUB.pep: \*  
 6: /cgn2\_6/ptodata/2/pubbaa/US07\_PUBCOMB.pep: \*  
 7: /cgn2\_6/ptodata/2/pubbaa/PCTRUS\_PUBCOMB.pep: \*  
 8: /cgn2\_6/ptodata/2/pubbaa/US08\_PUBCOMB.pep: \*  
 9: /cgn2\_6/ptodata/2/pubbaa/US09\_NEW\_PUB.pep: \*  
 10: /cgn2\_6/ptodata/2/pubbaa/US09\_PUBCOMB.pep: \*  
 11: /cgn2\_6/ptodata/2/pubbaa/US10\_NEW\_PUB.pep: \*  
 12: /cgn2\_6/ptodata/2/pubbaa/US10\_PUBCOMB.pep: \*  
 13: /cgn2\_6/ptodata/2/pubbaa/US60\_NEW\_PUB.pep: \*  
 14: /cgn2\_6/ptodata/2/pubbaa/US60\_PUBCOMB.pep: \*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

## SUMMARIES

Result No.	Score	Query Match Length	DB ID	Description
1	597	100.0	115	9 US-09-824-787B-2
2	597	100.0	131	10 US-09-925-301-966
3	80	13.4	137	9 US-09-925-301-966
4	80	13.4	146	9 US-09-891-877-301
5	80	13.4	146	9 US-09-948-783-314
6	69	11.6	874	9 US-10-163-214-13
7	69	11.6	915	9 US-10-163-214-6
8	68.5	11.5	425	9 US-09-860-670-105
9	68.5	11.5	425	10 US-09-764-877-1163
10	68	11.4	909	9 US-10-161-214-2
11	67	11.2	228	9 US-09-738-625-6207
12	67	11.2	1379	10 US-09-863-1794-44
13	66.5	11.1	772	9 US-09-905-291-339
14	66.5	11.1	772	9 US-09-902-853-339
15	66.5	11.1	772	9 US-09-907-824-339
16	66.5	11.1	772	9 US-09-907-841-339
17	66.5	11.1	772	9 US-09-904-011-339
18	66.5	11.1	772	9 US-09-906-838-339
19	66.5	11.1	772	9 US-09-906-838-339

Total number of hits satisfying chosen parameters: 417779

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published\_Applications\_AA,\*  
 1: /cgn2\_6/ptodata/2/pubbaa/US09\_NEW\_PUB.pep: \*  
 2: /cgn2\_6/ptodata/2/pubbaa/PCT\_NEW\_PUB.pep: \*  
 3: /cgn2\_6/ptodata/2/pubbaa/US06\_NEW\_PUB.pep: \*  
 4: /cgn2\_6/ptodata/2/pubbaa/US05\_PUBCOMB.pep: \*  
 5: /cgn2\_6/ptodata/2/pubbaa/US07\_NEW\_PUB.pep: \*  
 6: /cgn2\_6/ptodata/2/pubbaa/US07\_PUBCOMB.pep: \*  
 7: /cgn2\_6/ptodata/2/pubbaa/PCTRUS\_PUBCOMB.pep: \*  
 8: /cgn2\_6/ptodata/2/pubbaa/US08\_PUBCOMB.pep: \*  
 9: /cgn2\_6/ptodata/2/pubbaa/US09\_NEW\_PUB.pep: \*  
 10: /cgn2\_6/ptodata/2/pubbaa/US09\_PUBCOMB.pep: \*  
 11: /cgn2\_6/ptodata/2/pubbaa/US10\_NEW\_PUB.pep: \*  
 12: /cgn2\_6/ptodata/2/pubbaa/US10\_PUBCOMB.pep: \*  
 13: /cgn2\_6/ptodata/2/pubbaa/US60\_NEW\_PUB.pep: \*  
 14: /cgn2\_6/ptodata/2/pubbaa/US60\_PUBCOMB.pep: \*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match Length	DB ID	Description
1	597	100.0	115	9 US-09-824-787B-2
2	597	100.0	131	10 US-09-925-301-966
3	80	13.4	137	9 US-09-925-301-966
4	80	13.4	146	9 US-09-891-877-301
5	80	13.4	146	9 US-09-948-783-314
6	69	11.6	874	9 US-10-163-214-13
7	69	11.6	915	9 US-10-163-214-6
8	68.5	11.5	425	9 US-09-860-670-105
9	68.5	11.5	425	10 US-09-764-877-1163
10	68	11.4	909	9 US-10-161-214-2
11	67	11.2	228	9 US-09-738-625-6207
12	67	11.2	1379	10 US-09-863-1794-44
13	66.5	11.1	772	9 US-09-905-291-339
14	66.5	11.1	772	9 US-09-902-853-339
15	66.5	11.1	772	9 US-09-907-824-339
16	66.5	11.1	772	9 US-09-907-841-339
17	66.5	11.1	772	9 US-09-904-011-339
18	66.5	11.1	772	9 US-09-906-838-339
19	66.5	11.1	772	9 US-09-906-838-339

RESULT 1  
 US-09-824-787B-2  
 Sequence 2, Application US/09824787B  
 ; Patient No. US2002015447A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Zauderer, Maurice  
 ; APPLICANT: Evans, Elizabeth E.  
 ; APPLICANT: Bourrelio, Melinda A.  
 ; TITLE OF INVENTION: A Gene Differentially Expressed in Breast and Bladder Cancer, and Encoded Polypeptides  
 ; FILE REFERENCE: 1821.0040001  
 ; CURRENT APPLICATION NUMBER: US/09/824-787B  
 ; CURRENT FILING DATE: 2001-04-04  
 ; PRIORITY FILING DATE: 2000-04-04  
 ; NUMBER OF SEQ ID NOS: 147  
 ; SOFTWARE: Patentin Ver. 2.1  
 ; SEQ ID NO 2  
 ; LENGTH: 115  
 ; TYPE: PRT  
 ; ORGANISM: Homo sapiens  
 US-09-824-787B-2

ALIGNMENTS

Query Match Best Local Similarity	Score	Length	DB ID	Description
100.0%	597	115	9 US-09-824-787B-2	Sequence 2, Application US/09824787B
100.0%	597	115	10 US-09-925-301-966	Sequence 2, Application US/09824787B
100.0%	80	13.4	137	9 US-09-925-301-966
100.0%	80	13.4	146	9 US-09-891-877-301
100.0%	80	13.4	146	9 US-09-948-783-314
100.0%	69	11.6	874	9 US-10-163-214-13
100.0%	69	11.6	915	9 US-10-163-214-6
100.0%	68.5	11.5	425	9 US-09-860-670-105
100.0%	68.5	11.5	425	10 US-09-764-877-1163
100.0%	68	11.4	909	9 US-10-161-214-2
100.0%	67	11.2	228	9 US-09-738-625-6207
100.0%	67	11.2	1379	10 US-09-863-1794-44
100.0%	66.5	11.1	772	9 US-09-905-291-339
100.0%	66.5	11.1	772	9 US-09-902-853-339
100.0%	66.5	11.1	772	9 US-09-907-824-339
100.0%	66.5	11.1	772	9 US-09-907-841-339
100.0%	66.5	11.1	772	9 US-09-904-011-339
100.0%	66.5	11.1	772	9 US-09-906-838-339

RESULT 2  
 US-09-925-301-966  
 Sequence 2, Application US/09925301  
 ; Sequence 966, Application US/09925301  
 ; Patient No. US2002005308A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Rosen et al.

TITLE OF INVENTION: Nucleic Acids, Proteins and Antibodies  
FILE REFERENCE: PA106  
CURRENT APPLICATION NUMBER: US/09/925, 301  
CURRENT FILING DATE: 2001-08-10  
PRIORITY APPLICATION NUMBER: PCT/US00/03882  
PRIOR FILING DATE: 2000-03-08  
PRIOR APPLICATION NUMBER: 60/124, 270  
PRIOR FILING DATE: 1999-03-12  
NUMBER OF SEQ ID NOS: 1694  
SOFTWARE: PatentIn Ver. 2.0  
SEQ ID NO: 966  
LENGTH: 131  
TYPE: PRT  
ORGANISM: Homo sapiens  
US-09-925-301-966

Query Match 100.0%; Score 597; DB 10; Length 131;  
Best Local Similarity 100.0%; Pred. No. 4e<sup>-55</sup>; Mismatches 0; Indels 0; Gaps 0;  
Matches 115; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy 1 MSGERGOTSVAPPPEVERGSGVRIVCEPCGFATYLELASAVKEQYGPGETESRLG 60  
17 MSGERGOTSVAPPPEVERGSGVRIVCEPCGFATYLELASAVKEQYGPGETESRLG 76

Oy 61 GTGAFIEIENGQLVFSKLENGGFYKEKDLEIAARRASGETEKTINNSRPPCVIL 115  
Db 77 GTGAFIEIENGQLVFSKLENGGFYKEKDLEIAARRASGETEKTINNSRPPCVIL 131

RESULT 3  
US-09-374-046A-95

; Sequence 95, Application US/09374046A  
; GENERAL INFORMATION:  
; APPLICANT: Jacobs, Kenneth  
; APPLICANT: McCoy, John M.  
; APPLICANT: Lawville, Edward R.  
; APPLICANT: Collins Racie, Lisa A.  
; APPLICANT: Evans, Cheryl  
; APPLICANT: Merberg, David  
; APPLICANT: Tracy, Maurice  
; APPLICANT: Agostino, Michael J.  
; APPLICANT: Steinerger II, Robert J.  
; APPLICANT: Spaulding, Vicki  
; APPLICANT: Wong, Gordon G.  
; APPLICANT: Clark, Hilary  
; APPLICANT: Fechner, Kim  
; APPLICANT: Genetics Institute, Inc.  
; TITLE OF INVENTION: SECRETED PROTEINS AND POLYNUCLEOTIDES ENCODING THEM  
; FILE REFERENCE: GI 6075583A  
; CURRENT APPLICATION NUMBER: US/09/374, 046A  
; CURRENT FILING DATE: 1999-08-13  
; NUMBER OF SEQ ID NOS: 240  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO: 96  
; LENGTH: 137  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
JS-09-374-046A-95

Query Match 13.4%; Score 80; DB 9; Length 137;  
Best Local Similarity 43.6%; Pred. No. 0.63; Mismatches 17; Conservative 9; Indels 13; Gaps 0; Caps 0;

Oy 55 IESRLGGTGAFFEITENGQLVFSKLENGGFYKEKDLEIAI 93  
b 81 IENQCMSTGAFEITLNDVPMWFSKLESGHPLPSMQLVQIL 119

.RESULT 4  
S-09-822-877-301  
Sequence 301, Application US/09892877  
Publication No. US20030077809A1

; GENERAL INFORMATION:  
; APPLICANT: Ruben et. al.  
; TITLE OF INVENTION: 97 Human secreted proteins  
; FILE REFERENCE: P2028P2  
; CURRENT APPLICATION NUMBER: US/09/948, 783  
; CURRENT FILING DATE: 2001-09-10  
; PRIOR APPLICATION NUMBER: 60/231, 846  
; PRIOR FILING DATE: 2000-09-11  
; PRIOR APPLICATION NUMBER: 09/892, 877  
; PRIOR FILING DATE: 2001-06-28  
; PRIOR APPLICATION NUMBER: 09/437, 658  
; PRIOR FILING DATE: 1999-11-10  
; PRIOR APPLICATION NUMBER: PCT/US99/09847  
; PRIOR FILING DATE: 1999-05-06  
; PRIOR APPLICATION NUMBER: 60/085, 093  
; PRIOR FILING DATE: 1998-05-12  
; PRIOR APPLICATION NUMBER: 60/085, 094  
; PRIOR FILING DATE: 1998-05-12  
; PRIOR APPLICATION NUMBER: 60/085, 105  
; PRIOR FILING DATE: 1998-05-12  
; PRIOR APPLICATION NUMBER: 60/085, 180  
; PRIOR FILING DATE: 1998-05-12  
; PRIOR APPLICATION NUMBER: 60/085, 927  
; PRIOR FILING DATE: 1998-05-18  
; PRIOR APPLICATION NUMBER: 60/085, 906  
; PRIOR FILING DATE: 1998-05-18  
; PRIOR APPLICATION NUMBER: 60/085, 924  
; PRIOR FILING DATE: 1998-05-18  
; PRIOR APPLICATION NUMBER: 60/085, 922  
; PRIOR FILING DATE: 1998-05-18  
; PRIOR APPLICATION NUMBER: 60/085, 923  
; PRIOR FILING DATE: 1998-05-18  
; PRIOR APPLICATION NUMBER: 60/085, 925  
; PRIOR FILING DATE: 1998-05-18  
; PRIOR APPLICATION NUMBER: 60/085, 928  
; PRIOR FILING DATE: 1998-05-18  
; PRIOR APPLICATION NUMBER: 60/085, 920  
; NUMBER OF SEQ ID NOS: 465  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO: 314  
; LENGTH: 146

; ORGANISM: Homo sapiens  
US-09-892-877-301

Query Match 13.4%; Score 80; DB 9; Length 146;  
Best Local Similarity 43.6%; Pred. No. 0.69; Mismatches 13; Indels 0; Gaps 0;  
Matches 17; Conservative 9; Indels 13; Gaps 0;

Oy 55 IESRLGGTGAFFEITENGQLVFSKLENGGFYKEKDLEIAI 93  
b 90 IENQCMSTGAFEITLNDVPMWFSKLESGHPLPSMQLVQIL 128

RESULT 5  
US-09-948-783-314

; Sequence 314, Application US/09948783  
; Publication No. US20030100051A1  
; GENERAL INFORMATION:  
; APPLICANT: Ruben et. al.  
; TITLE OF INVENTION: 97 Human secreted proteins  
; FILE REFERENCE: P2028P2  
; CURRENT APPLICATION NUMBER: US/09/948, 783  
; CURRENT FILING DATE: 2001-09-10  
; PRIOR APPLICATION NUMBER: 60/231, 846  
; PRIOR FILING DATE: 2000-09-11  
; PRIOR APPLICATION NUMBER: 09/892, 877  
; PRIOR FILING DATE: 2001-06-28  
; PRIOR APPLICATION NUMBER: 09/437, 658  
; PRIOR FILING DATE: 1999-11-10  
; PRIOR APPLICATION NUMBER: PCT/US99/09847  
; PRIOR FILING DATE: 1999-05-06  
; PRIOR APPLICATION NUMBER: 60/085, 093  
; PRIOR FILING DATE: 1998-05-12  
; PRIOR APPLICATION NUMBER: 60/085, 094  
; PRIOR FILING DATE: 1998-05-12  
; PRIOR APPLICATION NUMBER: 60/085, 105  
; PRIOR FILING DATE: 1998-05-12  
; PRIOR APPLICATION NUMBER: 60/085, 180  
; PRIOR FILING DATE: 1998-05-12  
; PRIOR APPLICATION NUMBER: 60/085, 927  
; PRIOR FILING DATE: 1998-05-18  
; PRIOR APPLICATION NUMBER: 60/085, 906  
; PRIOR FILING DATE: 1998-05-18  
; PRIOR APPLICATION NUMBER: 60/085, 924  
; PRIOR FILING DATE: 1998-05-18  
; PRIOR APPLICATION NUMBER: 60/085, 922  
; PRIOR FILING DATE: 1998-05-18  
; PRIOR APPLICATION NUMBER: 60/085, 923  
; PRIOR FILING DATE: 1998-05-18  
; PRIOR APPLICATION NUMBER: 60/085, 925  
; PRIOR FILING DATE: 1998-05-18  
; PRIOR APPLICATION NUMBER: 60/085, 928  
; PRIOR FILING DATE: 1998-05-18  
; PRIOR APPLICATION NUMBER: 60/085, 920  
; NUMBER OF SEQ ID NOS: 465  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO: 314  
; LENGTH: 146

; TYPE: PRT  
; ORGANISM: Homo sapiens  
; US-09-948-783-314

Query Match Best Local Similarity 43.6%; Pred. No. 0.69; Length 146;  
 Matches 17; Conservatve 9; Mismatches 13; Indels 0; Gaps 0;  
 Db Qy 55 YFSRLGGTGAFFIEINGQLVFSKLENGFPPYERKDLTEAI 93  
 Db 90 IENQCMSTGAFETILNDVPPWNSKLESCHLPSMQQLQIL 128

RESULT 6  
 US-10-163-214-13  
 ; Sequence 13, Application US/10163214  
 ; Publication No. US20030097688A1

; GENERAL INFORMATION:  
 ; APPLICANT: Allen, Stephen M.  
 ; APPLICANT: Butler, Karen E.  
 ; APPLICANT: Thorpe, Catherine J.  
 ; TITLE OF INVENTION: Starch Synthase Isoform V  
 ; FILE REFERENCE: BB1520 US NA  
 ; CURRENT APPLICATION NUMBER: US/10/163,214  
 ; CURRENT FILING DATE: 2002-06-05  
 ; PRIOR APPLICATION NUMBER: 60/297,099  
 ; PRIOR FILING DATE: 2001-06-08  
 ; NUMBER OF SEQ ID NOS: 13  
 ; SOFTWARE: Microsoft Office 97  
 ; SEQ ID NO 13  
 ; LENGTH: 874  
 ; TYPE: PRT  
 ; ORGANISM: Vigna unguiculata

Query Match Best Local Similarity 26.8%; Pred. No. 97; Length 874;  
 Matches 22; Conservatve 14; Mismatches 34; Indels 12; Gaps 3;  
 Db Qy 21 SGVRIVVECYCPCGEATYLEELASAVKEQPGIETESRLGGTGAFFIEINGQLVFSKLEN 80  
 Db 754 SDFMFLIPSIFERG-----LTQMSMRGAIPLARKTGGLINDSVFDVDDDTIPSQFRN 806

Qv 81 GGFPPY---EKLDEIIRRASN 98  
 L: 807 -GETFLUNADEKGINDALVRIN 827

RESULT 7  
 US-10-163-214-6  
 ; Sequence 6, Application US/10163214  
 ; Publication No. US20030097688A1

; GENERAL INFORMATION:  
 ; APPLICANT: Alien, Stephen M.  
 ; APPLICANT: Butler, Karen E.  
 ; APPLICANT: Thorpe, Catherine J.  
 ; TITLE OF INVENTION: Starch Synthase Isoform V  
 ; FILE REFERENCE: BB1520 US NA  
 ; CURRENT APPLICATION NUMBER: US/10/163,214  
 ; CURRENT FILING DATE: 2002-06-05  
 ; PRIOR APPLICATION NUMBER: 60/297,099  
 ; PRIOR FILING DATE: 2001-06-08  
 ; NUMBER OF SEQ ID NOS: 13  
 ; SOFTWARE: Microsoft Office 97  
 ; SEQ ID NO 6  
 ; LENGTH: 915  
 ; TYPE: PRT  
 ; ORGANISM: Oryza sativa

Query Match Best Local Similarity 28.4%; Pred. No. 1e+02; Length 146;  
 Matches 23; Conservatve 11; Mismatches 37; Indels 10; Gaps 2;  
 Db Qy 21 SGVRIVVECYCPCGEATYLEELASAVKEQPGIETESRLGGTGAFFIEINGQLVFSKLEN 80  
 Db 797 SDMFIVPSMFEPG----LTQMTAMRYGSVPPIVRKTGGLNDSVFDDETIPKELRN 849

Qy 81 G---GFPYEKDIEAIRRASN 98  
 Db 850 GFTFVHPDEKALSGAMERRAFN 870

RESULT 8  
 US-09-860-670-105  
 ; Sequence 105, Application US/09860670  
 ; Patent No. US20020165137A1

; GENERAL INFORMATION:  
 ; APPLICANT: Ruben et al.  
 ; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies  
 ; FILE REFERENCE: FA127P1  
 ; CURRENT APPLICATION NUMBER: US/09/860,670  
 ; CURRENT FILING DATE: 2001-05-21  
 ; Prior application data removed - consult PALM or file wrapper  
 ; NUMBER OF SEQ ID NOS: 289  
 ; SOFTWARE: PatentIn Ver. 2.0  
 ; SEQ ID NO 105  
 ; LENGTH: 425  
 ; TYPE: PRT  
 ; ORGANISM: Homo sapiens

FEATURE: SITE  
 NAME/KEY: SITE  
 LOCATION: (140)  
 OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids

LOCATION: (196)  
 OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids

NAME/KEY: SITE  
 LOCATION: (351)  
 OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids

NAME/KEY: SITE  
 LOCATION: (368)  
 OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids

US-09-860-670-105

Query Match Best Local Similarity 25.6%; Pred. No. 43; Length 425;  
 Matches 22; Conservatve 11; Mismatches 46; Indels 7; Gaps 2;  
 Db Qy 3 GFRPGQTSAVAPPPEVERPGSGRIVVEY---CEPCGGEATYLEELASAVKEQPGIETES 57  
 Db 291 GPPGAGSPDPSPPGADPSSRGAPIGGRFDQROASAEGCFYNAVDYLAARARLAGELAGOEEE 350

Qy 58 KLGIGTGAFFE---EINGQLVFSKLENG 81  
 Db 351 XLEGLEVMDFLRFSGLXLFRAVEPG 376

RESULT 9  
 US-09-764-877-1-163  
 ; Sequence 1163, Application US/09764877  
 ; Patient No. US20020147140A1

; GENERAL INFORMATION  
 ; APPLICANT: Rosen et al.  
 ; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies  
 ; FILE REFERENCE: PCU05  
 ; CURRENT APPLICATION NUMBER: US/09/764,877  
 ; CURRENT FILING DATE: 2001-01-17  
 ; Prior application data removed - refer to PALM or file wrapper  
 ; NUMBER OF SEQ ID NOS: 4031  
 ; SOFTWARE: PatentIn Ver. 2.0  
 ; SEQ ID NO 1163  
 ; LENGTH: 425  
 ; TYPE: PRT

ORGANISM: Homo sapiens  
 FEATURE: SITE  
 NAME/KEY: SITE  
 LOCATION: (140)  
 OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids  
 NAME/KEY: SITE  
 LOCATION: (196)  
 OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids  
 NAME/KEY: SITE  
 LOCATION: (388)  
 OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids  
 NAME/KEY: SITE  
 LOCATION: (351)  
 OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids  
 NAME/KEY: SITE  
 LOCATION: (388)  
 OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids  
 US-09-764-877-163

Query Match 11.5%; Score 68.5; DB 10; Length 425;  
 Best Local Similarity 25.6%; Pred. No. 43;  
 Matches 22; Conservative 11; Mismatches 46; Indels 7; Gaps 2;  
 Qy 3 GERPOTSVAAPPREVERPGSGVRIWY---CEPCGFATYLELAAVKEQYPGIEIES 57  
 Pw 291 GPPGAGPDPSPGPGADSSRGAPGIGRDRQASAEQCYINADYLAAARRLAGELAGDDEEE 350  
 Qz 58 RLGGTGAFFEI-EINGOLVFSKLENG 81  
 Db 351 XLEGLEVNMDVFLRFSGLXLFRAVEPG 376

RESULT 10  
 US-10-163-114-2  
 Sequence 2, Application US/10163214  
 Publication No. US20030097688A1  
 GENERAL INFORMATION:  
 APPLICANT: Allen, Stephen M.  
 APPLICANT: Broglio, Karen E.  
 APPLICANT: Butler, Karlene H.  
 APPLICANT: Thorpe, Catherine J.  
 TITLE OF INVENTION: Starch Synthase Isoform V  
 CURRENT APPLICATION NUMBER: US/10/163.214  
 CURRENT FILING DATE: 2002-06-05  
 PRIOR APPLICATION NUMBER: 60/297,099  
 NUMBER OF SEQ ID NOS: 13  
 SOFTWARE: Microsoft Office 97  
 SEQ ID NO 2  
 LENGTH: 909  
 TYPE: PRT  
 ORGANISM: Zea mays  
 Us-10-163-214-2

.ery Match 11.4%; Score 68; DB 9; Length 909;  
 Best Local Similarity 26.8%; Pred. No. 1.3e+02; Length 909;  
 Matches 22; Conservative 14; Mismatches 34; Indels 12; Gaps 3;  
 Qy 21 SGVRIVVECPCGFATYLELAAVKEQYPGIEIESRLLGGTGAFFETEINGOLVFSKLEN 80  
 Db 791 SDFEFIVPSMFEFGC----LTOMVAMRYGSPVVRRTGGLNSFDLDDETIPMEVRN 843

Qy 81 GCFPY---EKDLIEARRASN 98  
 Db 844 -GFTFLKADEQDFGNALERAFN 864

RESULT 11  
 US-09-738-626-6207  
 Sequence 6207, Application US/09738626  
 Publication No. US20020197605A1  
 GENERAL INFORMATION:  
 APPLICANT: NAKAGAWA, SATOSHI  
 APPLICANT: MIZOGUCHI, HIROSHI  
 APPLICANT: ANDO, SEIKO

Query Match 11.2%; Score 67; DB 10; Length 1379;  
 Best Local Similarity 31.6%; Pred. No. 2.8e-02;  
 Matches 18; Conservative 18; Mismatches 28; Indels 4; Gaps 1;  
 Qy 6 GOTSVAPP---EVEPGSGVRIWYCEPCGFATYLELAAVKEQYPGIEIESR 58  
 Db 1062 GSSEKAKPPPLPHUSURRGSGSJVNVFIDYGERPYGLQYPHNITISVESYADESLDR 1118

RESULT 12  
 US-09-862-179A-44  
 Sequence 44, Application US/09862179A  
 Patent No. US20020147306A1  
 GENERAL INFORMATION:  
 APPLICANT: Lin, Danny  
 APPLICANT: Pawson, Anthony  
 TITLE OF INVENTION: PEPTIDES THAT MODULATE THE INTERACTION OF B CLASS EPHRINS  
 TITLE OF INVENTION: AND PDZ DOMAINS  
 FILE REFERENCE: MT51-P01-009  
 CURRENT APPLICATION NUMBER: US/09/862,179A  
 CURRENT FILING DATE: 2001-05-21  
 NUMBER OF SEQ ID NOS: 44  
 SOFTWARE: Patentin version 3.1  
 SEQ ID NO 44  
 LENGTH: 1379  
 TYPE: PRT  
 ORGANISM: Caenorhabditis elegans  
 US-09-862-179A-44

Query Match 11.2%; Score 67; DB 10; Length 1379;  
 Best Local Similarity 31.6%; Pred. No. 2.8e-02;  
 Matches 18; Conservative 18; Mismatches 28; Indels 4; Gaps 1;

RESULT 13  
 US-09-905-291A-339  
 Sequence 339, Application US/09905291A  
 Patent No. US20020160374A1  
 GENERAL INFORMATION:  
 APPLICANT: Genentech, Inc.

APPLICANT: Ashkenazi, Avi  
 APPLICANT: Botstein, David  
 APPLICANT: Desnoyers, Luc  
 APPLICANT: Eaton, Dan L.  
 APPLICANT: Ferrara, Napoleone  
 APPLICANT: Filvaroff, Ellen  
 APPLICANT: Fong, Sherman  
 APPLICANT: Gao, Wei-Qiang  
 APPLICANT: Gerber, Hanspeter  
 APPLICANT: Gerritsen, Mary E.  
 APPLICANT: Goddard, A.  
 APPLICANT: Godowski, Paul J.  
 APPLICANT: Grimaldi, Christopher J.  
 APPLICANT: Gurney, Austin L.  
 APPLICANT: Hillan, Kenneth, J.  
 APPLICANT: Kiljavin, Ivar J.  
 APPLICANT: Mather, Jennie P.  
 APPLICANT: Pan, James  
 APPLICANT: Paoni, Nicholas F.  
 APPLICANT: Roy, Margaret Ann  
 APPLICANT: Stewart, Timothy A.  
 APPLICANT: Tumas, Daniel  
 APPLICANT: Williams, P.; Mickey  
 APPLICANT: Wood, William, I.

TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic Acid Encoding the Same

FILE REFERENCE: 10465-14

CURRENT APPLICATION NUMBER: US/09/905, 291A

CURRENT FILING DATE: 2001-07-12

PRIOR APPLICATION NUMBER: PCT/US00/04414

PRIOR FILING DATE: 2000-07-22

PRIOR APPLICATION NUMBER: US 60/143, 048

PRIOR FILING DATE: 1999-07-07

PRIOR APPLICATION NUMBER: US 60/145, 698

PRIOR FILING DATE: 1999-07-26

PRIOR APPLICATION NUMBER: US 60/146, 222

PRIOR FILING DATE: 1999-07-28

PRIOR APPLICATION NUMBER: PCT/US99/20594

PRIOR FILING DATE: 1999-09-08

PRIOR APPLICATION NUMBER: PCT/US99/20944

PRIOR FILING DATE: 1999-09-13

PRIOR APPLICATION NUMBER: PCT/US99/21090

PRIOR FILING DATE: 1999-09-15

PRIOR APPLICATION NUMBER: PCT/US99/21547

PRIOR FILING DATE: 1999-09-15

PRIOR APPLICATION NUMBER: PCT/US99/23089

PRIOR FILING DATE: 1999-10-05

PRIOR APPLICATION NUMBER: PCT/US99/28214

PRIOR FILING DATE: 1999-11-29

PRIOR APPLICATION NUMBER: PCT/US99/28313

PRIOR FILING DATE: 1999-11-30

PRIOR APPLICATION NUMBER: PCT/US99/28564

PRIOR FILING DATE: 1999-12-02

PRIOR APPLICATION NUMBER: PCT/US99/28565

PRIOR FILING DATE: 1999-12-02

PRIOR APPLICATION NUMBER: PCT/US99/30095

PRIOR FILING DATE: 1999-12-16

PRIOR APPLICATION NUMBER: PCT/US99/30911

PRIOR FILING DATE: 1999-12-20

PRIOR APPLICATION NUMBER: PCT/US99/30999

PRIOR FILING DATE: 1999-12-20

PRIOR APPLICATION NUMBER: PCT/US00/00219

PRIOR FILING DATE: 2000-01-05

NUMBER OF SEQ ID NOS: 423

SEQ ID NO 339

LENGTH: 772

TYPE: PRT

ORGANISM: Homo Sapien

US-09-905-291A-339

Query Match 11.1%; Score 66.5; DB 9; Length 772;  
 Best Local Similarity 25.6%; Pred: No. 1.5e+02;  
 Matches 22; Conservative 46; Indels 7; Gaps 2;

RESULT 15  
US-09-907-824-339  
Publication No. US20020197671A1

GENERAL INFORMATION:

APPLICANT: Genentech, Inc.  
APPLICANT: Aszkenazi, Avi  
APPLICANT: Borstein, David  
APPLICANT: Desnoyers, Luc  
APPLICANT: Eaton, Dan L.  
APPLICANT: Ferrara, Napoleone  
APPLICANT: Filvaroff, Ellen  
APPLICANT: Fong, Sherman  
APPLICANT: Gao, Wei-Qiang  
APPLICANT: Gerber, Hanspeter  
APPLICANT: Gorritzen, Mary E.  
APPLICANT: Goddard, A.  
APPLICANT: Godowski, Paul J.  
APPLICANT: Grimaldi, Christopher J.  
APPLICANT: Hurney, Austin L.  
APPLICANT: Hillman, Kenneth J.  
APPLICANT: Khan, James  
APPLICANT: Kujavin, Ivar J.  
APPLICANT: Laconi, Nicholas F.  
APPLICANT: Roy, Margaret Ann  
APPLICANT: Stewart, Timothy A.  
APPLICANT: Thomas, Daniel  
APPLICANT: Williams, P. Mickey

TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic Acid Encoding the Same

CURRENT APPLICATION NUMBER: US/09/907,824

CURRENT FILING DATE: 2001-07-17

PRIOR APPLICATION NUMBER: 09/665,350

PRIOR FILING DATE: 2000-09-18

PRIOR APPLICATION NUMBER: PCT/US00/04414

PRIOR FILING DATE: 2000-02-22

PRIOR APPLICATION NUMBER: US 60/143,048

PRIOR FILING DATE: 1999-07-07

PRIOR APPLICATION NUMBER: US 60/145,698

PRIOR FILING DATE: 1999-07-26

PRIOR APPLICATION NUMBER: US 60/146,222

PRIOR FILING DATE: 1999-07-28

PRIOR APPLICATION NUMBER: PCT/US99/20594

PRIOR FILING DATE: 1999-09-11

PRIOR APPLICATION NUMBER: PCT/US99/21090

PRIOR FILING DATE: 1999-09-15

PRIOR APPLICATION NUMBER: PCT/US99/21547

PRIOR FILING DATE: 1999-09-15

PRIOR APPLICATION NUMBER: PCT/US99/23089

PRIOR FILING DATE: 1999-10-05

PRIOR APPLICATION NUMBER: PCT/US99/28214

PRIOR FILING DATE: 1999-11-29

PRIOR APPLICATION NUMBER: PCT/US99/28313

PRIOR FILING DATE: 1999-11-30

PRIOR APPLICATION NUMBER: PCT/US99/28564

PRIOR FILING DATE: 1999-12-02

PRIOR APPLICATION NUMBER: PCT/US99/28565

PRIOR FILING DATE: 1999-12-02

PRIOR APPLICATION NUMBER: PCT/US99/30095

PRIOR FILING DATE: 1999-12-16

PRIOR APPLICATION NUMBER: PCT/US99/30911

PRIOR FILING DATE: 1999-12-20

PRIOR APPLICATION NUMBER: PCT/US99/30999

PRIOR FILING DATE: 1999-12-20

PRIOR APPLICATION NUMBER: PCT/US00/00219

PRIOR FILING DATE: 2000-01-05

NUMBER OF SEQ ID NOS: 423

SEQ ID NO: 339  
LENGTH: 772

TYPE: PRT

ORGANISM: Homo Sapien

RESULT 15  
US-09-907-824-339  
Publication No. US/09907824

Query Match 11.1%; Score 66.5; DB 9; Length 772;  
Best Local Similarity 25.6%; Pred. No. 1.5e+02;  
Matches 22; Conservative 11; Mismatches 46; Indels 7; Gaps 2;

Qy 3 GEPGOTSVAPPPEEVERGSGVIVVEY---CEPGFENTYLELASAVKEOFGIEIES 57  
Db 638 GPPGAGPPSPGAGPSRGAPIGGRFDROASABGCCFYNAVDYLALARLAGELAQEEEE 697  
Qy 58 RLGCTGATEI - EINGOLVFSKLENG 81  
Db 698 ALBLEGVMDVFLRFSGLHLFRAVEPG 723

RESULT 15  
US-09-907-824-339  
Publication No. US20020197671A1

GENERAL INFORMATION:

APPLICANT: Genentech, Inc.  
APPLICANT: Aszkenazi, Avi  
APPLICANT: Borstein, David  
APPLICANT: Desnoyers, Luc  
APPLICANT: Eaton, Dan L.  
APPLICANT: Ferrara, Napoleone  
APPLICANT: Filvaroff, Ellen  
APPLICANT: Fong, Sherman  
APPLICANT: Gao, Wei-Qiang  
APPLICANT: Gerber, Hanspeter  
APPLICANT: Gorritzen, Mary E.  
APPLICANT: Goddard, A.  
APPLICANT: Godowski, Paul J.  
APPLICANT: Grimaldi, Christopher J.  
APPLICANT: Hurney, Austin L.  
APPLICANT: Hillman, Kenneth J.  
APPLICANT: Khan, James  
APPLICANT: Kujavin, Ivar J.  
APPLICANT: Laconi, Nicholas F.  
APPLICANT: Roy, Margaret Ann  
APPLICANT: Stewart, Timothy A.  
APPLICANT: Thomas, Daniel  
APPLICANT: Williams, P. Mickey

TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic Acid Encoding the Same

CURRENT APPLICATION NUMBER: US/09/907,824

CURRENT FILING DATE: 2001-07-17

PRIOR APPLICATION NUMBER: 09/665,350

PRIOR FILING DATE: 2000-09-18

PRIOR APPLICATION NUMBER: PCT/US00/04414

PRIOR FILING DATE: 2000-02-22

PRIOR APPLICATION NUMBER: US 60/143,048

PRIOR FILING DATE: 1999-07-07

PRIOR APPLICATION NUMBER: US 60/145,698

PRIOR FILING DATE: 1999-07-26

PRIOR APPLICATION NUMBER: US 60/146,222

PRIOR FILING DATE: 1999-07-28

PRIOR APPLICATION NUMBER: PCT/US99/20594

PRIOR FILING DATE: 1999-09-11

PRIOR APPLICATION NUMBER: PCT/US99/21090

PRIOR FILING DATE: 1999-09-15

PRIOR APPLICATION NUMBER: PCT/US99/21547

PRIOR FILING DATE: 1999-09-15

PRIOR APPLICATION NUMBER: PCT/US99/23089

PRIOR FILING DATE: 1999-10-05

PRIOR APPLICATION NUMBER: PCT/US99/28214

PRIOR FILING DATE: 1999-11-29

PRIOR APPLICATION NUMBER: PCT/US99/28313

PRIOR FILING DATE: 1999-11-30

PRIOR APPLICATION NUMBER: PCT/US99/28564

PRIOR FILING DATE: 1999-12-02

PRIOR APPLICATION NUMBER: PCT/US99/28565

PRIOR FILING DATE: 1999-12-02

PRIOR APPLICATION NUMBER: PCT/US99/30095

PRIOR FILING DATE: 1999-12-16

PRIOR APPLICATION NUMBER: PCT/US99/30911

PRIOR FILING DATE: 1999-12-20

PRIOR APPLICATION NUMBER: PCT/US99/30999

PRIOR FILING DATE: 1999-12-20

PRIOR APPLICATION NUMBER: PCT/US00/00219

PRIOR FILING DATE: 2000-01-05

NUMBER OF SEQ ID NOS: 423

SEQ ID NO: 339  
LENGTH: 772

TYPE: PRT

ORGANISM: Homo Sapien

Query Match 11.1%; Score 66.5; DB 9; Length 772;  
Best Local Similarity 25.6%; Pred. No. 1.5e+02;  
Matches 22; Conservative 11; Mismatches 46; Indels 7; Gaps 2;

Qy 3 GEPGOTSVAPPPEEVERGSGVIVVEY---CEPGFENTYLELASAVKEOFGIEIES 57  
Db 638 GPPGAGPPSPGAGPSRGAPIGGRFDROASABGCCFYNAVDYLALARLAGELAQEEEE 697  
Qy 58 RLGCTGATEI - EINGOLVFSKLENG 81  
Db 698 ALBLEGVMDVFLRFSGLHLFRAVEPG 723

Search completed: June 24, 2003, 11:45:10  
Job time : 66.7143 secs